

COMOMAGINST 8550.13L
N3
22 JAN 2000

COMOMAG INSTRUCTION 8550.13L

Subj: GUIDANCE ON MINE BILL OF MATERIAL (MBOM), INITIAL
OUTFITTING LISTS (IOL) AND CHANGE REQUESTS

Ref: (a) COMINWARCOMINST C8550.5L
(b) COMOMAGINST 8550.9V
(c) NAVSEAINST 10490.5C
(d) COMOMAGINST 4000.1L

Encl: (1) MBOM/IOL/Handling Gear Change Request
(2) Sample MBOM Control Deck
(3) Sample MBOM Report
(4) Sample IOL Report
(5) Sample 01 Report

1. Purpose. To provide information on the use of Mine Bills of Materials (MBOM), Initial Outfitting Lists (IOL) and guidance concerning their revision and corrections.

2. Cancellation. COMOMAGINST 8550.13K.

3. Background. MBOM's aid Mobile Mine Assembly Units and Detachment (MOMAU/MOMAD) in maintaining prescribed allowances as set forth in references (a) and (b). IOL's are designed as a document listing supporting items to perform associated tasks/maintenance of underwater mines. The Mine Warfare Database System is maintained by Naval Surface Warfare Center, Coastal System Station (NSWC CSS), which is used to generate the MBOM and IOL for all MOMAU/MOMAD sites. As intermediate maintenance activities MOMAU/MOMAD sites are required to maintain spare components and associated material in support of prescribed distribution and allowance.

4. Policy. MBOM's and IOL's are the primary long term stocking level management tools. Spare allowances are calculated by NSWC CSS using item engineering failure rates and quantity of weapons to be maintained. Piece part allowance changes effect all MOMAU/MOMAD sites who maintain the associated assembly level items. Changes will be made as required to reflect weapon allowance changes, by NSWC CSS with COMOMAG approval. However, once established, spare allowances

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will not be changed unless justified in item engineering failure rates. Therefore, "tailoring" of MBOM's, beyond ensuring allowances are based on actual site weapon allowances, cannot be supported and will not be approved. MOMAU/MOMAD's may, however, store mines in different assembly configurations, but the quantities of components required will be the same. All sites will select the desired assembly configuration based on urgency of need and the number of personnel available to meet their mine capability mission.

5. Action. MOMAU/MOMAD's shall:

a. Submit MBOM/IOL change request to NSWC CSS via COMOMAG using enclosure (1). For requests of Material Handling Equipment allowance changes, submit enclosure (1) to Packaging, Handling, Storage, and Transportation Center WPNSTA Earle (Code 806) per reference (c) via NSWC CSS and COMOMAG. Except for Operational Commander directed asset redistribution's, changes to the MBOM/IOL will be limited to the following:

(1) An item listed in the MBOM, but the site does not support the weapon system requiring the item.

(2) An item required for support of a weapon system is not listed in the MBOM.

b. When a MBOM/IOL change is approved, NSWC CSS will notify the site by letter, copy to COMOMAG. The MOMAU/MOMAD will retain the letter on file as authority pending receipt of the next revised MBOM.

c. Allowances will not be established for items that infrequently require replacement, even though weapon readiness could be effected. If this occurs, place the affected weapon in the proper condition code, report accordingly via Status of Resources Training Systems (SORTS) and order the required items.

d. The majority of the column headings listed in the MBOM/IOL are self explanatory. However, an explanation of a few selected column headings, along with an explanation of the type of information that will be found, is presented to aid in the use and interpretation of the data fields.

COLUMN

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<u>HEAD</u>	<u>EXPLANATION</u>
MMC	Mine Material Management Code assigned for standardized item identification.
BASE	Lists the quantity of assembly level items needed to assemble the required number of mines.
MIN SPARE	Lists the quantity of spares required to support the quantity of on hand mines, as computed by the engineering failure rate.
MAX SPARE	Will be determined by MOMAU/MOMAD per reference (d) for consumable, and common tools. Column also includes 100 percent of base quantity for expendable items used for mine assembly.
MIN TOTAL	Sum of BASE and MIN SPARE. Expendable quantity listed in MAX SPARE column is NOT included in this column.
TECH NOTE	Refer to following list for explanation of listed number.
MU/USE	Mine Use: 1 - Service Mine 2 - Actuation Mine, Non-Flight E - Actuation Mine, Flight H - Hunting Mine J - Handling Mine K - Laying Mine N - Shop Mine P - Sweep Mine
AI	Alternate Item
CF or CONFIG	Assembly Configuration in which mines are stored.
SPR FAC	Percent Spare Factor, standardized for all sites by NSWC CSS Panama City, FL.
REQUIRE- MENTS IN	Indicates quantity installed in specific mine assembly configuration.
OUT	Indicates quantity not installed in specified mine

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assembly configuration.

e. MBOM Control Deck, enclosure (2), for each site is an inventory listing of required weapons of all Service, Exercise and Training mines as required by references (a) and (b).

f. The MBOM report, enclosure (3), is a listing of all the assembly level mine components, listed in National Item Identification Number (NIIN) order, required for the site to stock, based on weapons systems maintained.

g. The IOL report, enclosure (4), lists specialized material, special tools, etc., in NIIN order. This report identifies specific quantities, or as required, enables site CO/OIC's flexibility maintaining material at levels required to support mission requirement and eliminate the need to process IOL changes for items other than specialized items. Test equipment and associated parts should be listed on the MBOM.

h. The 01 report, enclosure (5), is a list of assembly level items in Naval Ammunition Logistics Code order. This report also reflects the components as either stored IN, the weapon, OUT of the weapon or shelf stowed, and in what weapon system the piece parts are used.

i. Laying and Actuation mines will be calculated as piece parts vice subassemblies, while shop and handling mines are calculated as subassemblies. All expendable items for laying and actuation mines will be calculated with minimum and maximum spare allowances. The "Minimum Quantity" will be calculated using the "Base" mine requirement, reject rates, and engineering spare factors. The maximum quantity will be calculated using the base mine requirement with 100% spares, which will also be used to establish the Conventional Ammunition Integrated Management System database allowance.

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Distribution: (COMOMAGINST 5216.1R)
NSWC CSS (Code 270/270F)
NAVSEA (Code 63Z3)
NWHE Earle (Code 806)